

## Thank You Ultra Tec

by Arya Akhavan (March 2013)

Angles for R.I. = 2.620

149 + 24 girdles = 173 facets

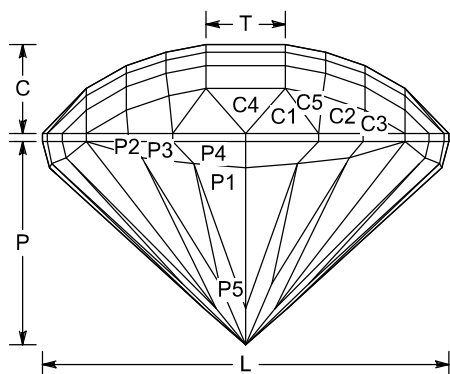
8-fold, mirror-image symmetry

96 index

L/W = 1.000 T/W = 0.196 U/W = 0.196

P/W = 0.499 C/W = 0.218

Vol./W<sup>3</sup> = 0.281



### PAVILION

P1	42.50°	02-06-10-14-18-22-26-30-34-38-42-46-50-54-58-62-66-70-74-78-82-86-90-94	Cut to centerpoint.
G1	90.00°	08-16-32-40-56-64-80-88	Set stone size.
P2	57.79°	08-16-32-40-56-64-80-88	Level girdle.
P3	63.57°	05-19-29-43-53-67-77-91	Meet P1, P2
G2	90.00°	05-19-29-43-53-67-77-91	Level girdle.
P4	75.12°	01-23-25-47-49-71-73-95	Meet P1, P3
G3	90.00°	01-23-25-47-49-71-73-95	Level girdle.
P5	42.00°	04-08-16-20-28-32-40-44-52-56-64-68-76-80-88-92	Meet P1, P2, P3; P1, P3, P4

### CROWN

C1	47.30°	01-23-25-47-49-71-73-95	Set girdle width.
C2	46.33°	05-19-29-43-53-67-77-91	Level girdle.
C3	49.39°	08-16-32-40-56-64-80-88	Level girdle.
C4	45.50°	96-24-48-72	Meet G3, C1
C5	44.90°	03-21-27-45-51-69-75-93	Meet G2, G3, C1, C2
C6	39.51°	12-36-60-84	Meet G1, C3
C7	33.95°	08-16-32-40-56-64-80-88	Meet C2, C3, C6
C8	31.16°	05-19-29-43-53-67-77-91	Meet C1, C4, C5; C2, C5, C7
C9	29.80°	96-24-48-72	Meet C1, C4, C5, C8
C10	25.46°	12-36-60-84	Meet C6, C7
C11	21.24°	08-16-32-40-56-64-80-88	Meet C7, C8, C10
C12	18.61°	96-24-48-72	Meet C8, C9, C11
C13	15.37°	12-36-60-84	Meet C10, C11
C14	11.00°	96-24-48-72	Meet C11, C12, C13
T	0.00°	Table	Meet C13, C14

Ultra Tec has been incredibly helpful throughout my faceting hobby. They've walked me through fixing my old, beat-up, 1970s model machine, repairing the chuck assembly, and a host of other problems. Thank god for the new V5! Works in materials from beryl to rutile (RI = 1.58 - 2.62) with no changes, but I prefer white rutile.

Suggested width = 12-25 mm

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